Product Catalogue | edition 2012 vol. 01

nevio

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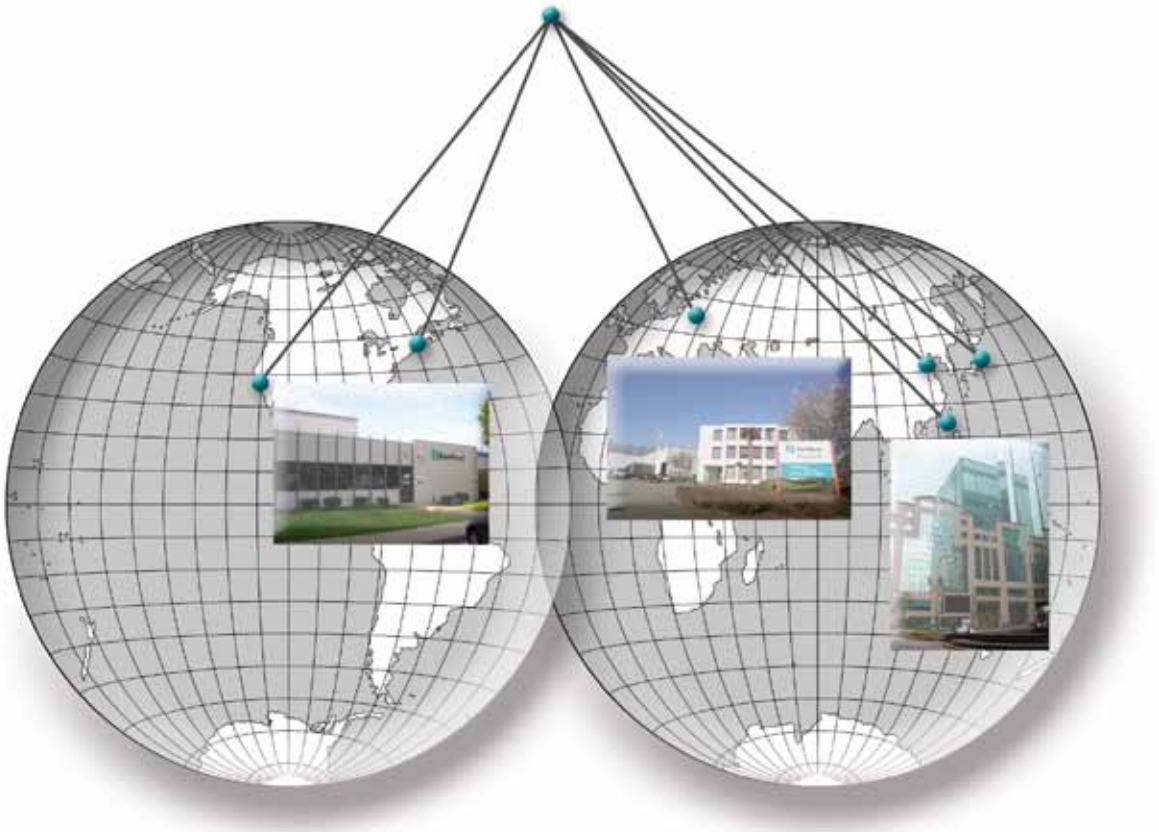

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Focused on you!

With more than 15 years experience as a renowned manufacturer of excellent CCTV products, EverFocus offers a comprehensive product range geared to system integration.
EverFocus Electronics Corp. with residence in Taipei, Taiwan, guarantees the worldwide distribution of CCTV products through branch offices in China, India, Japan, USA and Europe. The European distribution centre, EverFocus Electronics GmbH, is located in Emmerich am Rhein, Germany, where our team is dedicated to fulfilling customer demands. Sometimes even the impossible ones. That's how we ensure your satisfaction. We offer you mutual success, a pleasant cooperation and a promise:

We are here for you.

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NeVio megapixel and network cameras overview

	EAN 3200 EHN 3200	EDN 3240 EZN 3240	EQN 2200	EAN 1350	EAN 900	EZN 850	EAN 850 A EDN 850 H	EAN 800 A/AW EDN 800 T	EPN 3600
Camera type	2.0 Megapixel full HD camera	2.0 Megapixel full HD camera	2.0 Megapixel camera	1.3 Megapixel camera	1.3 Megapixel camera	Network IR camera	D/N network camera	Colour network camera	Network speed dome camera
Colour / b/w	day/night, autom. IRC	day/night, autom. IRC	colour	day/night, autom. IRC	day/night, autom. IRC	day/night, autom. IRC	day/night, autom. IRC	colour	day/night
Sensor type	10mm (1/2,5") progressive scan CMOS	10mm (1/2,5") progressive scan CMOS	8,5 mm (1/3") progressive scan CMOS	8,5 mm (1/3") progressive scan CCD	8,5 mm (1/3") progressive scan CMOS	8,5 mm (1/3") SONY super HAD	8,5 mm (1/3") SONY super HAD	8,5 mm (1/3") SONY colour IT CCD	6,35 mm (1/4") SONY Exview HAD
Effective pixels (HxV)	1920 x 1080 (1080p)	1920 x 1080 (1080p)	1600 x 1200	1280 x 960	1280 x 1024	752 x 582	752 x 582	752 x 582	752 x 582
Sensitivity (lux)	0,4 / F = 1.2	0,4 (IR LED off) 0 (IR LED on)	0,5	1,0 (colour) 0,2 (b/w)	0,5	0,2 (IR LED off) 0,002 (DSSx128) 0 (IR LED on)	0,25 0,002 (DSSx128)	EAN 800: 0,4 EDN 800: 0,2	1,4 (colour) 0,01 (b/w)
Compression method	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG	MPEG4 / JPEG	H.264 / MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG
Compression settings	CBR: 14 steps VBR: 5 steps	CBR: 14 steps VBR: 5 steps	5 levels	5 levels MJPEG 4 levels MPEG4	8 levels	8 levels	8 levels	8 levels	8 levels
Max. streaming frame rate	25 fps	25 fps	25 fps	12,5 fps MJPEG 25 fps MPEG4	25 fps	25 fps	25 fps	25 fps	25 fps
Network interface	10 Base-T / 100 Base-TX auto negotiation, RJ-45 socket, supports MDI/MDI-X auto crossover function								
Independent streams	2	2	2	2	3	4	4	4	3
Motion detection	3 zones	3 zones	4 zones	3 zones	5 zones	5 zones	5 zones	5 zones	4 zones
Privacy masking	-	-	-	-	-	4 zones	4 zones (EAN 850 only)	-	8 zones
Alarm	1 input 1 output	EDN 3240: 2/1 EZN 3240: 1/1	1 input 1 output	2 inputs 1 output	1 input 1 output	1 input 1 output	1 input 1 output	1 input 1 output	4 inputs 2 outputs
Audio	1 in / 1 out bidirectional half-duplex	1 in / 1 out bidirectional half-duplex	built-in mic. / speaker	1 in / 1 out bidirectional half-duplex	1 in / 1 out bidirectional half-duplex	-	1 in / 1 out bidirectional half-duplex	EAN 800: 1/1 EDN 800: -	1 in / 1 out bidirectional half-duplex
PoE (Power over Ethernet)	supported	-	-	supported	supported	-	supported	supported	-
IR LED	-	yes	-	-	-	yes	-	-	-
IP66 weatherproof housing	EHN 3200 only	EZN 3240 only	-	-	-	yes	EDN 850 only	-	yes
Vandal-proof housing	EHN 3200 only	-	-	-	-	-	EDN 850 only	yes (EDN 800)	-
Local storage	SD/SDHC memory card slot for optional SD card		-	-	SD card interface for optional SD card 3.3 V, supports SDHC host specification				-
Supported by PowerCon 4.x	yes	yes	yes	yes	yes	yes	yes	yes	yes

For EverFocus CCTV products, please refer to the "Product Catalogue Edition 2012"

For EverFocus HD-CCTV - Video over Coax - products, please refer to the "HD-CCTV - Video over Coax - Product Catalogue Edition 2012"

Technical data are subject to change without prior notice. Misprints reserved.

EAN 3200 - 2.0 megapixel full HD H.264 day/night network camera, automatic IR cut filter

Features

- ✓ 2.0 megapixel full size HD CMOS image sensor with full 1080p (1920 x 1080) resolution
- ✓ H.264 encoding / decoding at real time HD resolution up to 1080p @ 25 fps
- ✓ high performance noise reduction
- ✓ supports digital video stabilization function
- ✓ video encoder includes line driver for PAL TV signal
- ✓ dual codec for H.264 and MJPEG
- ✓ local storage through built-in SDHC slot for optional SDHC card
- ✓ day/night switching with automatic IR cut filter
- ✓ motion detection with 3 zones
- ✓ bidirectional audio function
- ✓ integrated player for playback of SD card recordings
- ✓ ONVIF / PSIA compliant
- ✓ power supply included

Technical data

Sensor type	2.0 megapixel full HD network camera
Pickup device	10 mm (1/2,5") progressive scan CMOS
Effective pixels	1920 x 1080
Sensitivity	0,4 lux / F = 1.2
Day/night switching	automatically swiveling IR cut filter
Electronic shutter	automatic / manual
Lens	CS-mount / C-mount, DC drive, backfocus adjustment, lens not included
Video output	1 Vp-p composite BNC (test video output), switchable between video out and IP streaming
Video compression	H.264 / MJPEG
Independent streams	2
Video frame rate	single stream: 25 IPS @ 1080p dual stream: up to 2x 25 IPS @ lower resolutions
Video resolution	max. 1920 x 1080 (1080p)
Compression setting	CBR (constant bit rate): 14 steps VBR (variable bit rate): 7 steps
Audio	1 audio input, 1 audio output
Audio operation mode	bidirectional, half-duplex
Network interface	10 Base-T / 100 Base-TX auto negotiation, RJ-45 socket; supports MDI/MDI-X auto crossover function
Supported protocols	HTTP / TCP/IP / UDP / RTP / RTSP / FTP / SMTP / DHCP / DNS / DDNS / NTP / UPnP / PSIA / ONVIF
Alarm	1 alarm input, 1 alarm output
Motion detection	3 adjustable motion areas
Event trigger	alarm input, manual trigger, motion detection
Event reaction	trigger alarm output, send mail notification, upload video to FTP, record video to SD card, send HTTP notification and network alarm
Local storage	SD card interface for optional SD card, supports SDHC host specification
Power	12 V DC (230 V AC via included power supply), 5W max., or PoE 802.3af
Dimensions (WxHxL)	68 x 57 x 143 mm (w/o socket lens)
Temperature	0°C ~ +40°C
Humidity	20% ~ 80%
Weight	550 g
Recommended accessories	
EFV 167 MP-DC	1,67 mm megapixel lens, ultra wide angle with optical distortion correction
EFV 412 MP-M / DC	4 ~ 12 mm megapixel varifocal lens (manual or DC)
EFV 246 MP-M / DC	2,4 ~ 6 mm / F = 1.2 megapixel lens (manual or DC)
EFV 308 MP-M / DC	3 ~ 8 mm / F = 1.0 megapixel lens (manual or DC)
EFV 550 MP-M / DC	5 ~ 50 mm / F = 1.4 megapixel lens (manual or DC)

Ordering information

EAN 3200	2.0 megapixel full HD H.264 day/night network camera, automatic IR cut filter, incl. 230 V AC power supply, 12 V DC / PoE
EFV 167 MP-DC	1,67 mm megapixel lens, ultra wide angle with optical distortion correction, supported formats: 8,5mm (1/3"), 10mm (1/2,5"), 10,6mm (1/2,7")
EFV 412 MP-M / DC	4 ~ 12 mm / F = 1.4 megapixel varifocal lens (manual or DC), format: 12,7 mm (1/2")
EFV 246 MP-M / DC	2,4 ~ 6 mm / F = 1.2 megapixel lens (manual or DC), format: 8,5 mm (1/3")
EFV 308 MP-M / DC	3 ~ 8 mm / F = 1.0 megapixel lens (manual or DC), format: 8,5 mm (1/3")
EFV 550 MP-M / DC	5 ~ 50 mm / F = 1.4 megapixel lens (manual or DC), format: 8,5 mm (1/3")

EDN 3240 - 2.0 megapixel full HD H.264 day/night network indoor dome camera with IR LED, automatic IR cut filter

Features

- ✓ 2.0 megapixel full size HD CMOS image sensor with full 1080p (1920 x 1080) resolution
- ✓ H.264 encoding / decoding at real time HD resolution up to 1080p @ 25 fps
- ✓ high performance noise reduction
- ✓ supports digital video stabilization function
- ✓ video encoder includes line driver for PAL TV signal
- ✓ dual codec for H.264 and MJPEG
- ✓ local storage through built-in SDHC slot for optional SDHC card
- ✓ day/night switching with automatic IR cut filter
- ✓ motion detection with 3 zones
- ✓ bidirectional audio function
- ✓ integrated player for playback of SD card recordings
- ✓ integrated varifocal lens
- ✓ ONVIF / PSIA compliant
- ✓ power supply included

Technical data

Sensor type	2.0 megapixel full HD network camera
Pickup device	10 mm (1/2,5") progressive scan CMOS
Effective pixels	1920 x 1080
Sensitivity	0,4 lux / F = 1.2 (IR LED off) / 0 lux (IR LED on)
Day/night switching	automatically swiveling IR cut filter
Electronic shutter	automatic / manual
Lens	2,8 ~ 10 mm / F = 1.2 DC varifocal lens
Video output	1 Vp-p composite BNC (test video output), switchable between video out and IP streaming
Recommended object distance	approx. 20 m (depending on reflections in scenery)
IR wavelength	850 nm
Video compression	H.264 / MJPEG
Independent streams	2
Video frame rate	single stream: 25 IPS @ 1080p dual stream: up to 2x 25 IPS @ lower resolutions
Video resolution	max. 1920 x 1080 (1080p)
Compression setting	CBR (constant bit rate): 14 steps VBR (variable bit rate): 7 steps
Audio	1 audio input, 1 audio output
Audio operation mode	bidirectional, half-duplex
Network interface	10 Base-T / 100 Base-TX auto negotiation, RJ-45 socket; supports MDI/MDI-X auto crossover function
Supported protocols	HTTP / TCP/IP / UDP / RTP / RTSP / FTP / SMTP / DHCP / DNS / DDNS / NTP / UPnP / PSIA / ONVIF
Alarm	2 alarm inputs, 1 alarm output
Motion detection	3 adjustable motion areas
Event trigger	alarm input, manual trigger, motion detection
Event reaction	trigger alarm output, send mail notification, upload video to FTP, record video to SD card, send HTTP notification and network alarm
Local storage	SD card interface for optional SD card, supports SDHC host specification
Power	12 V DC (230 V AC via included power supply), 6W max.
Dimensions (diameter x H)	140 x 128 mm (surface mounting) / 140 x 68 mm (flush mounting)
Temperature	0°C ~ +40°C
Humidity	20% ~ 80%
Weight	660 g

* The IR illumination range depends on the location, particularly with regard to the reflection of the installation's surroundings. Locating the device near to highly absorbent surfaces can result in a significantly reduced range.

Ordering information

EDN 3240	2.0 megapixel full HD H.264 day/night network indoor dome camera with IR LED, automatic IR cut filter, incl. 230 V AC power supply, 12 V DC

EHN 3200 - 2.0 megapixel full HD H.264 day/night network outdoor dome camera, automatic IR cut filter

Features

- ✓ 2.0 megapixel full size HD CMOS image sensor with full 1080p (1920 x 1080) resolution
- ✓ H.264 encoding / decoding at real time HD resolution up to 1080p @ 25 fps
- ✓ high performance noise reduction
- ✓ supports digital video stabilization function
- ✓ video encoder includes line driver for PAL TV signal
- ✓ dual codec for H.264 and MJPEG
- ✓ local storage through built-in SDHC slot for optional SDHC card
- ✓ day/night switching with automatic IR cut filter
- ✓ bidirectional audio function
- ✓ integrated varifocal lens
- ✓ motion detection with 3 zones
- ✓ vandal-proof IP66 outdoor housing
- ✓ integrated player for playback of SD card recordings
- ✓ PoE (Power over Ethernet) supported
- ✓ ONVIF / PSIA compliant
- ✓ power supply included

Technical data

Sensor type	2.0 megapixel full HD network camera
Pickup device	10 mm (1/2,5") progressive scan CMOS
Effective pixels	1920 x 1080
Sensitivity	0,4 lux / F = 1.2
Day/night switching	automatically swiveling IR cut filter
Electronic shutter	automatic / manual
Lens	2,8 ~ 10 mm / F = 1.2 DC varifocal lens
Video output	1 Vp-p composite BNC (test video output), switchable between video out and IP streaming
Video compression	H.264 / MJPEG
Independent streams	2
Video frame rate	single stream: 25 IPS @ 1080p // dual stream: up to 2x 25 IPS @ lower resolutions
Video resolution	max. 1920 x 1080 (1080p)
Compression setting	CBR (constant bit rate): 14 steps // VBR (variable bit rate): 7 steps
Audio	1 audio input, 1 audio output
Audio operation mode	bidirectional, half duplex
Network interface	10 Base-T / 100 Base-TX auto negotiation, RJ-45 socket; supports MDI/MDI-X auto crossover function
Supported protocols	HTTP / TCP/IP / UDP / RTP / RTSP / FTP / SMTP / DHCP / DNS / DDNS / NTP / UPnP / PSIA / ONVIF
Alarm	1 alarm input, 1 alarm output
Motion detection	3 adjustable motion areas
Event trigger	alarm input, manual trigger, motion detection
Event reaction	trigger alarm output, send mail notification, upload video to FTP, record video to SD card, send HTTP notification and network alarm
Local storage	SD card interface for optional SD card, supports SDHC host specification
Weatherproof rating	IP 66
Power	12 V DC (230 V AC via included power supply), 5W max. or PoE
Power over Ethernet	PoE 802.3af 48 V DC
Dimensions (diameter x H)	123 x 108 mm
Temperature	-10°C ~ +50°C
Humidity	20% ~ 80%
Weight	740 g

ED WMA - wall mount bracket

Material: aluminium
Dimensions (WxHxD): 150 x 110 x 170 mm
Weight: 600 g
Max. load: 4 kg
Application: with ED 610 T, EDN 850 H, EDN 800 T and EHN 3200

Ordering information

EHN 3200	2.0 megapixel full HD H.264 day/night network outdoor dome camera, autom. IR cut filter, incl. 230 VAC PS, 12 V DC / PoE
ED WMA	Wall mount bracket

EZN 3240 - 2.0 megapixel full HD H.264 day/night network bullet camera with IR LED and motorized varifocal lens, automatic IR cut filter

Features

- ✓ 2.0 megapixel full size HD CMOS image sensor with full 1080p (1920 x 1080) resolution
- ✓ H.264 encoding / decoding at real time HD resolution up to 1080p @ 25 fps
- ✓ high performance noise reduction
- ✓ supports digital video stabilization function
- ✓ video encoder includes line driver for PAL TV signal
- ✓ dual codec for H.264 and MJPEG
- ✓ remote zoom & focus adjustment by webbrowser
- ✓ local storage (optional)
- ✓ day/night switching with automatic IR cut filter
- ✓ bidirectional audio function
- ✓ motion detection with 3 zones
- ✓ integrated player for playback of locally stored recordings
- ✓ integrated varifocal lens
- ✓ PoE (Power over Ethernet) supported
- ✓ ONVIF / PSIA compliant

Technical data

Sensor type	2.0 megapixel full HD network camera
Pickup device	10 mm (1/2,5") progressive scan CMOS
Effective pixels	1920 x 1080
Sensitivity	0,4 lux / F = 1.2 (IR LED off) / 0 lux (IR LED on)
Day/night switching	automatically swiveling IR cut filter
Electronic shutter	automatic / manual
Lens	motorized 2,8 ~ 10 mm / F = 1.2 DC varifocal lens
Video output	1 Vp-p composite BNC (test video output), switchable between video out and IP streaming
Recommended object distance	approx. 20 m (depending on reflections in scenery)
IR wavelength	850 nm
Video compression	H.264 / MJPEG
Independent streams	2
Video frame rate	single stream: 25 IPS @ 1080p dual stream: up to 2x 25 IPS @ lower resolutions
Video resolution	max. 1920 x 1080 (1080p)
Compression setting	CBR (constant bit rate): 14 steps VBR (variable bit rate): 7 steps
Audio	1 audio input, 1 audio output
Audio operation mode	bidirectional, half-duplex
Network interface	10 Base-T / 100 Base-TX auto negotiation, RJ-45 socket; supports MDI/MDI-X auto crossover function
Supported protocols	HTTP / TCP/IP / UDP / RTP / RTSP / FTP / SMTP / DHCP / DNS / DDNS / NTP / UPnP / PSIA / ONVIF
Alarm	1 alarm input, 1 alarm output
Motion detection	3 adjustable motion areas
Event trigger	alarm input, manual trigger, motion detection
Event reaction	trigger alarm output, send mail notification, upload video to FTP, record video to internal storage (depending on camera model), send HTTP notification and network alarm
Local storage	optional internal 32 GB storage
Weatherproof rating	IP 66
Power	12 V DC / 24 V AC, 12W max. (IR LED ON), or PoE
Power over Ethernet (PoE)	PoE 802.3af 48 V DC
Dimensions (WxHxD)	88 x 74 x 235 mm
Temperature	-40°C ~ +50°C
Humidity	20% ~ 80%
Weight	1,15 kg

* The IR illumination range depends on the location, particularly with regard to the reflection of the installation's surroundings. Locating the device near to highly absorbent surfaces can result in a significantly reduced range.

Ordering information

EZN 3240	2.0 megapixel full HD H.264 day/night network bullet camera with IR LED and motorized varifocal lens, automatic IR cut filter, 12 V DC / 24 V AC or PoE
EZN 3240 / 32	2.0 megapixel full HD H.264 day/night network bullet camera with IR LED, motorized varifocal lens and internal 32 GB storage, automatic IR cut filter, 12 V DC / 24 V AC or PoE

EAN 1350 - 1.3 Megapixel CCD day / night network camera, automatic IR cut filter

Features

- ✓ 1.3 Megapixel progressive scan CCD sensor providing high definition video
- ✓ progressive scan technology for clear reproduction of fast moving objects
- ✓ highest sensitivity day/night mode with auto IR cut filter removal technologies and CCD sensor
- ✓ with digital pan/tilt and electronic zoom, users can point and see the very details of the region of interest
- ✓ dual codec (MPEG4 / MJPEG) simultaneously
- ✓ 2-way audio
- ✓ C/CS mount DC lens exchangeable with backfocus adjustment
- ✓ Power over Ethernet (PoE) eases installation, security and maintenance

Technical data

Sensor type	8,5 mm (1/3") progressive CCD
Effective pixels	full scan mode: 1280 x 960, 4-pixel addition mode: 640x480
Electronic shutter	1:50 ~ 1:10.000
Digital slow shutter	2x ~ 32x max. / off
AGC (auto gain control)	3 levels
AWB (auto white balance)	auto / manual / indoor / outdoor
IR cut filter	automatic / manual / ext. contact mode
Lens mount	CS-mount / C-mount, DC drive, backfocus adjustment, lens not included
Minimum illumination	1 lux / F = 1.2 (colour mode) / 0,2 lux / F = 1.2 (b/w mode)
Signal standard	PAL
Video output	1 Vp-p composite, BNC (test video output) (switchable between video out and IP streaming)
Video compression	MPEG4 / JPEG (dual streaming)
Video frame rate	12,5 IPS max. (JPEG 1260 x 980) 25 IPS max. (MPEG4 640 x 480), configurable
Video resolution	MPEG4: 640 x 480, 352 x 288, 320 x 240, 176 x 144 MJPEG: 1260 x 960, 640 x 480, 352 x 288, 320 x 240, 176 x 144
Pan/tilt	digital and support for RS-485 PT devices
Motion detection	yes (3 zones)
Video streaming	RTSP/RTP/UDP, RTSP/RTP/TCP
Protocols	RTSP/RTP HTTP tunnel, LAN multicast
OSD	text, time and date, configurable
Audio input/output	1 x line in, 1 x line out, 3,5mm stereo sockets
Audio modes	duplex / full duplex / simplex
LAN port	RJ-45, 10/100 M auto-sensed, auto crossover
Communication protocol	HTTP / RTSP / FTP / SMTP / TCP/IP / UDP / ARP / ICMP / DHCP / PPPoE / DDNS / UPnP / SAMBA
Video streaming	RTSP/RTP/UDP, RTSP/RTP/TCP, RTSP/RTP HTTP tunnel, LAN multicast
Alarm	2x input, 1 relay output, screwless terminal
RS-485	1 x RS-485 telemetry out (Pelco-D/P), screwless terminal
Status LED	3x: status, network link / traffic
Power	12 V DC / 24 V AC, 8W max., or PoE 802.3af
Dimensions (WxHxL)	80 x 81 x 166 mm (w/o socket lens)
Temperature	operating temp. 0°C ~ +55°C, storage temp. -20°C ~ +70°C
Humidity	10% ~ 95%, non-condensing
Weight	600 g

Software functions / features

Browser	integrated browser applet (Internet Explorer 6.0 or above required)
Application software	PowerCon 4.3 or higher (optional) EverFocus NVR series
OS supported	Microsoft Windows XP, Vista
TCP/IP	Static IP address / DHCP PPoE, DDNS, UPnP, SAMBA Multicast SMTP (event notification) primary / secondary DNS server IP filtering
User management	3 level user rights, anonymous login
Date/time	Time/date overlay internal RTC or sync. by NTP or PC time 3 redundant NTP servers
Event trigger	motion, alarm in, boot
Event schedule	weekly schedule with 1 timer zone per weekday
Event reaction	record to FTP/SAMBA / e-mail notification / HTTP/TCP notification / relay output
Motion	3 zones with adjustable sensitivity and treshold
Pre-alarm buffer	up to 10 sec.
Display	overlay time / date / text image normal, flip h/v, rotate 180°
Digital zoom	100% ~ 800% (client browser) 100% ~1200% (camera)
Video settings	brightness, saturation, contrast, sharpness, backlight
Others	remote firmware upgrade configuration up- / download remote reboot
Recommended accessories:	
EFV 167 MP-DC	1,67 mm megapixel lens
EFV 412 MP-M /DC	4 ~ 12 mm megapixel varifocal lens
EFV 246 MP-M / DC	2,4~6mm megapixel lens
EFV 308 MP-M / DC	3~8mm megapixel lens
EFV 550 MP-M / DC	5~50mm megapixel lens
FH 7153 H	outdoor housing
BA 12	wall mount bracket

Ordering information

EAN 1350	1.3 Megapixel CCD day / night network camera, automatic IR cut filter, w/o lens, incl. punch-down tool, 12 V DC / 24 V AC (or PoE)
AP12A122E0	Power supply, 230 V AC / 12 V DC, 600 mA
AP24A152E0	Power supply, 230 V AC / 24 V AC, 1500 mA

EAN 900 - 1.3 Megapixel network camera with progressive scan, automatic IR cut filter

Features

- ✓ 1.3 Megapixel 8,5 mm (1/3") progressive scan CMOS sensor with high sensitivity
- ✓ built-in H.264, MPEG-4 and MJPEG digital signal output at 1280 x 720 (720P) image size with up to 15 IPS
- ✓ day/night function with automatically swiveling IR cut filter
- ✓ 3 independently adjustable network video streams (for compression method and resolution)
- ✓ Power over Ethernet (PoE) IEEE 802.3af
- ✓ supports MDI/MDI-X auto crossover
- ✓ bandwidth control: 64K/128K/256K/1M/2M/4M/8M bps and unlimited
- ✓ built-in network interface (10 Base-T / 100 Base-TX) for remote monitoring by PC
- ✓ smart wizard setting for varied event and schedule recording
- ✓ built-in digital motion detection and PTZ function
- ✓ bidirectional audio
- ✓ power supply included

Technical data

Sensor type	8,5 mm (1/3") progressive scan CMOS image sensor
Effective pixels	1280 (H) x 1024 (V)
Sensitivity	0,5 lux / F = 1.2
Lens	optional C/CS mount, DD control supported, lens not included!
Video output	1 Vp-p composite, BNC (test video output) (switchable between video out and IP streaming)
Picture compression	H.264 / MPEG4 / MJPEG
Picture resolution	1280 x 1024 / 1280 x 960 / 1280 x 720 / 640 x 480 / 320 x 240
Day/night switching	autom. swiveling IR cut filter & enhanced b/w sensitivity
Compression setting	8 levels
Streaming frame rate	1280 x 1024 / 1280 x 960 / 1280 x 720: 15 IPS 640 x 480 / 320 x 240: 30 IPS
Microphone	built-in microphone, selectable internal microphone or audio input in camera setting
Audio input	3,5mm stereo socket, sensitivity 100 mV max. / 10 KOhm impedance, selectable internal microphone or audio input in camera setting
Audio output	3,5mm stereo socket, sensitivity 500 mV max. at 10 KOhm impedance
Compression method	ADPCM (pulse code modulation) U-Law
Frequency bandwidth	300 Hz ~ 3,4 KHz
Audio operation	bidirectional, half-duplex
Alarm input	1 x input for dry contacts, N.O./N.C. adjustable, input pulse length 50 ms min.
Alarm output	1 x optocoupler output, N.O./N.C. adjustable, max. load 24 V DC, 50 mA
Motion detection	built-in motion detection
Motion areas	up to 5 windows
Power source	12 V DC (230 V AC via included power supply) & PoE
Power over Ethernet	PoE 802.3af 48 VDC
Power consumption	4,5 W max. (12 VDC)
Ambient temperature	0°C ~ +40°C
Dimensions (WxHxD)	68 x 57 x 135 mm
Weight	600 g

Software functions / features

Network interface	10 Base-T / 100 Base-TX auto negotiation, RJ-45 socket, supports MDI/MDI-X auto crossover function
Protocol types	HTTP, TCP/IP, FTP, SMTP, DHCP, DNS, DDNS, NTP
Bandwidth control	min. 64 kbit / sec., adjustable
RS-485	RS-485 interface half-duplex (functionality reserved), screwless terminal 2-pin
Power LED	on: system power is on off: system power is off
Green network LED	on (still): linked / off: not linked on (blinking): active
Yellow network LED	on: 100 Mbps off: 10 Mbps
Local storage	SD card interface for optional SD card 3.3 V, supports SDHC host specification
Recommended accessories	
EFV 167 MP-DC	1,67 mm megapixel lens
EFV 412 MP-M / DC	4 ~ 12 mm megapixel varifocal lens
EFV 246 MP-M / DC	2,4~6mm megapixel lens
EFV 308 MP-M / DC	3~8mm megapixel lens
EFV 550 MP-M / DC	5~50mm megapixel lens

Ordering information

EAN 900	1.3 megapixel network camera with progressive scan, automatic IR cut filter, incl. 230 V AC power supply, 12 V DC / PoE
EFV 167 MP-DC	1,67 mm megapixel lens, ultra wide angle with distortion correction, supported formats: 8,5mm (1/3"), 10mm (1/2,5"), 10,6mm (1/2,7")
EFV 412 MP-M / DC	4 ~ 12 mm megapixel varifocal lens (manual or DC), format: 12,7mm (1/2")
EFV 246 MP-M / DC	2,4 ~ 6 mm / F = 1.2 megapixel lens (manual or DC), format: 8,5mm (1/3")
EFV 308 MP-M / DC	3 ~ 8 mm / F = 1.0 megapixel lens (manual or DC), format: 8,5mm (1/3")
EFV 550 MP-M / DC	5 ~ 50 mm / F = 1.4 megapixel lens (manual or DC), format: 8,5mm (1/3")

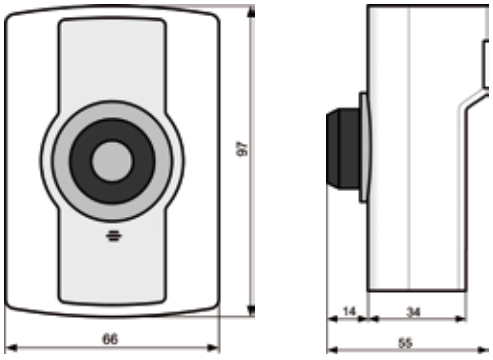
EQN 2200 - 2.0 Megapixel colour network camera with progressive scan

Features

- ✓ 2.0 Megapixel 8,5 mm (1/3") progressive scan CMOS sensor with high sensitivity
- ✓ built-in H.264 and MJPEG digital signal output at 1600 x 1200 (720P) image size
- ✓ 2 independently adjustable network video streams (for compression method and resolution)
- ✓ supports MDI/MDI-X auto crossover
- ✓ built-in network interface (10 Base-T / 100 Base-TX) for remote monitoring by PC
- ✓ smart wizard setting for varied event and schedule recording
- ✓ built-in digital motion detection and PTZ function
- ✓ bidirectional audio
- ✓ built-in 4,3mm megapixel lens with adjustable focus
- ✓ integrated bracket for wall or ceiling mount
- ✓ power supply included

Technical data

Sensor type	8,5 mm (1/3") progressive scan CMOS image sensor, 2 Megapixel
Effective pixels	1600 (H) x 1200 (V)
Sensitivity	0,5 lux / F = 1.8
Lens	4,3mm / F 1.8 megapixel lens, adjustable focus
Video compression	H.264 / MJPEG
Picture resolution	1600 x 1200 (UXGA) / 1280 x 960, 1280 x 720 (HD720P) / 1024 x 768 (XGA) / 800 x 600 (SVGA) / 640 x 480 (VGA) / 320 x 240 (QVGA) / 160 x 112
Streaming frame rate	10 IPS @ 1600 x 1200, 15 IPS @ 1280 x 960, 30 fps for all other resolutions
Compression setting	H.264: CBR: 32 K ~ 3 M / VBR: 5 steps MJPEG: 5 steps
Audio	built-in microphone and speaker, 2-way half-duplex audio transmission
Alarm input	1 x input for dry contacts, N.O./N.C. adjustable
Alarm output	1 x optocoupler output, N.O./N.C. adjustable, max. load 24 V DC / 50 mA
Network interface	10 Base-T / 100 Base-TX auto-negotiation, RJ-45 socket, supports MDI/MDI-X auto crossover function
Supported protocols	HTTP, TCP/IP, UDP, RTP, RTSP, FTP, SMTP, DHCP, DNS, DDNS, NTP, ONVIF, PSIA
User management	max. 10 users, 3 levels of user rights
Motion detection	integrated motion detection with up to 4 detection zones
Event trigger	alarm input, manual trigger, motion detection
Event reaction	trigger alarm output, send mail notification, upload video to FTP, network alarm
Pre-alarm	12 MB pre-alarm buffer
Post-alarm	10 ~ 120 sec.
Power source	5 V DC, 110 ~ 240 V AC via included power supply
Power consumption	4 W max.
Ambient temperature	0°C ~ +40°C
Dimensions (WxHxD)	66 x 97 x 55 mm (incl. lens)
Weight	140 g



Ordering information

EQN 2200	2.0 Megapixel colour network camera with progressive scan, incl. power supply and bracket, 5 V DC

EZN 850 - 8,5 mm (1/3") IP outdoor IR camera with motorised lens, H.264, MPEG-4 , MJPEG

Features

- ✓ motorised 6~50mm DC varifocal lens
- ✓ 42 high-power IR LED with 35° beaming angle
- ✓ solid outdoor housing with integrated cable management
- ✓ compression methods: H.264, MPEG4 or MJPEG
- ✓ adjustable compression rate with 8 levels
- ✓ camera module with high resolution technology (up to 560 TV lines)
- ✓ 4 independently adjustable network video streams (for compression method and resolution)
- ✓ 4 adjustable privacy zones
- ✓ composite video output
- ✓ local alarm input / output
- ✓ motion detection with 5 zones
- ✓ alarm e-mail and network alarm function
- ✓ local alarm video storage at optional SD card
- ✓ network bandwidth control
- ✓ integrated wall bracket with internal cable installation

Technical data

	EZN 850 / P	EZN 850 A/P
Pickup device	8,5 mm (1/3") SONY super HAD interlaced CCD	
Effective pixels	752 x 582 (PAL)	
Sensitivity	IR LED OFF: 0,2 lux / F = 1.2; IR LED ON: 0 lux	
Lens	motorised DC varifocal lens 6~50 mm, 9x optical zoom	
Video output	BNC socket, composite 1 Vp-p / 75 Ohm	
Video output resolution	530 TV lines (colour mode) / 560 TV lines (b/w mode)	
IR distance	max. 30 ~ 50 m (depending on reflections in scenery) max. 40 ~ 70 m with additional IR illuminator kit EIR 100	
IR wavelength	850 nm	
Picture compression	H.264 / MPEG-4 / M-JPEG	
Picture resolution	D1, VGA, CIF, QVGA, QCIF 704 x 576, 640 x 480, 352 x 288, 320 x 240, 176 x 144	
Compression setting	8 levels adjustable	
Streaming frame rate	1 ~25 IPS, adjustable at full D1	
Independent streams	4 (50 IPS total at 704 x 576)	
Motion detection	built-in motion detection, 5 zones	
Privacy areas	up to 4 windows	
Network interface	10 Base-T / 100 Base-TX auto negotiation, RJ-45 socket	
Protocol types	HTTP, TCP/IP, FTP, SMTP, DHCP, DNS, DDNS, NTP	
Bandwidth control	min. 64 kbit / sec. adjustable	
RS-485	RS-485 interface half-duplex, EverFocus / Pelco-D protocol	
Alarm I/O	1 input, 1 output, N.O./N.C. adjustable	
Power output	DC 12V for external IR illuminator	
Green network LED	on: 100 Mbps / off: 10 Mbps	
Yellow network LED	on (still): linked / on (blinking): active / off: not linked	
Red power LED	on: system power on / off: system power off	
Local storage	SD card interface for optional SD card 3.3 V, supports SDHC host specification	
Power supply	100 ~ 240 V AC, 50/60 Hz	24 V AC
Power consumption	17 W max. (heater & IR LED on); 34 W max. with EIR 100	
Ambient temperature	-40°C ~ +50°C	
Humidity	20 ~ 85%	
Heater	+10°C on, +20°C off	
Dimensions (HxL)	115 x 275 mm	
Weight	1,6 kg	

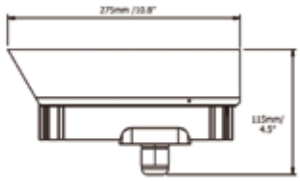


Image: EZN 850 with additional IR illuminator kit EIR 100

Image: ceiling mount bracket EZ CMB

For specifications, please refer to page 8!

Ordering information

EZN 850 / P	8,5 mm (1/3") IP outdoor IR camera with motorised lens, H.264, MPEG4, MJPEG, 100 ~ 240 V AC
EZN 850 A / P	8,5 mm (1/3") IP outdoor IR camera with motorised lens, H.264, MPEG4, MJPEG, 24 V AC
EIR 100	External IR illuminator kit
EZ CMB	Ceiling mount bracket for EZN 850
AP24A152E0	Power supply, 230 V AC / 24 V AC, 1,5 A, recommended for use w/o additional IR illuminator kit EIR 100
AP24A302E1	Power supply, 230 V AC / 24 V AC, 3A, recommended for use with additional IR illuminator kit EIR 100

EAN 850 A - 8,5 mm (1/3") advanced day / night network camera, high resolution, automatic IR cut filter

Features

- ✓ 4 independently adjustable network video streams (for compression method and resolution)
- ✓ compression methods: H.264, MPEG4 or MJPEG
- ✓ adjustable compression rate with 4 levels
- ✓ day/night function with automatically swiveling IR cut filter
- ✓ camera module with high resolution technology (540 TV lines)
- ✓ high resolution stream: up to 704 x 576 pixel
- ✓ 4 adjustable privacy zones
- ✓ bidirectional audio
- ✓ composite video output
- ✓ local alarm input / output
- ✓ motion detection with 5 zones
- ✓ alarm e-mail and network alarm function
- ✓ local alarm video storage at optional SD card
- ✓ PoE (Power over Ethernet) supported
- ✓ network bandwidth control
- ✓ power supply included

Technical data

Pickup device	8,5 mm (1/3") Sony super HAD interlaced CCD, Polestar solution
Effective pixel	752 (H) x 582 (V) (PAL)
Sensitivity	0,002 lux (sens-up x128), 0,25 lux / F = 1.2
Lens	optional C/CS mount, manual / DD lens control supported (lens not included!)
Day/night control	automatically swiveling IR cut filter and enhanced b/w sensitivity
Video output	BNC socket, composite 1 Vp-p / 75 Ohm
Video output resolution	540 TV lines
Video compression	H.264 / MPEG-4 / M-JPEG
Video resolution	D1, VGA, CIF, QCIF / 704 x 576, 640 x 480, 352 x 288, 176 x 144
Compression setting	5 levels adjustable (super / high / standard / low / lowest)
Streaming frame rate	1 ~ 25 IPS, adjustable
Microphone	internal electret microphone, selection internal microphone or audio input in camera setting
Audio input	3,5mm stereo socket, sensitivity 100 mV max. / 10 KOhm impedance, selection internal microphone or audio input in camera setting
Audio output	3,5mm stereo socket, sensitivity 500 mV max. at 10 KOhm impedance
Compression method	ADPCM (pulse code modulation) U-Law
Frequency bandwidth	300 Hz ~ 3,4 KHz
Operation modes	duplex operation, audio direction enabled in browser GUI selection internal microphone or audio input in camera setting
Alarm input	1 x input for dry contacts, N.O./N.C. adjustable
Alarm output	1 x dry relay contact, N.O./N.C. adjustable, 70 V DC / 200 mA max.
Network interface	10 Base-T / 100 Base-TX auto negotiation, RJ-45 socket
Protocol types	HTTP, TCP/IP, UDP/IP, FTP, SMTP, RTP, RTCP, DHCP, DNS, DDNS, NTP
Bandwidth control	min. 64 kbit / sec. adjustable
RS-485	RS-485 interface half-duplex (function reserved), screwless terminal 2-pin
Green network LED	on: 100 Mbps / off: 10 Mbps
Yellow network LED	on (still): linked / on (blinking): active / off: not linked
Red power LED	on: system power on / off: system power off
Pre-alarm memory	internal memory for pre-alarm record 2~5 sec.
Event log	internal event log for 256 entries (FIFO), non-volatile
Local storage	SD card interface for optional SD card 3.3 V, supports SDHC host specification
Power supply	12 V DC (230 V AC via included power supply) or PoE (PoE 802.3af 48 VDC)
Power consumption	7 W max. (12 VDC)
Ambient temperature	0°C ~ +50°C
Dimensions (WxHxD)	68 x 57 x 135 mm
Weight	600 g

Ordering information

EAN 850 A	8,5 mm (1/3") advanced day / night network camera, high resolution, automatic IR cut filter, incl. 230 V AC power supply, 12 V DC / PoE

EAN 800 A - 8,5 mm (1/3") advanced colour network camera, high resolution
EAN 800 AW - 8,5 mm (1/3") advanced colour wireless network camera, high resolution

Features

- ✓ 4 independently adjustable network video streams (for compression method and resolution)
- ✓ compression methods: H.264, MPEG4 or MJPEG
- ✓ adjustable compression rate with 8 levels
- ✓ camera module with high resolution technology (520 TV lines)
- ✓ bidirectional audio
- ✓ composite video output
- ✓ local alarm input / output
- ✓ integrated motion detection
- ✓ alarm e-mail and network alarm function
- ✓ local alarm video storage at optional SD card
- ✓ PoE (Power over Ethernet) supported
- ✓ network bandwidth control
- ✓ power supply included

Technical data

	EAN 800 A	EAN 800 AW
Pickup device	8,5 mm (1/3") Sony super HAD interlaced CCD	
Effective pixel	752 (H) x 582 (V) (PAL)	
Sensitivity	0,4 lux / F = 1.2	
Lens	optional C/CS mount, manual / DD lens control supported (lens not included!)	
Day/night switching	yes	
Video output	BNC socket, composite 1 Vp-p / 75 Ohm	
Video output resolution	520 TV lines	
Video compression	H.264 / MPEG-4 / M-JPEG	
Video resolution	4CIF, VGA, CIF, QVGA, QCIF	
Compression setting	8 levels adjustable	
Streaming frame rate	up to 25 fps	
Audio	built-in microphone, bidirectional audio, half-duplex	
Network interface	10 Base-T / 100 Base-TX auto negotiation, RJ-45 socket, supports MDI/MDI-X auto crossover function	
Wireless	-	built-in IEEE 802.1 1b/g WLAN antenna gain 2 dBi
Protocol types	HTTP, TCP/IP, UDP/IP, FTP, SMTP, RTP, RTCP, DHCP, DNS, DDNS, NTP	
Bandwidth control	min. 64 kbit / sec. adjustable	
Client limit	max. 32 clients simultaneously	
RS-485	RS-485 interface half-duplex	
Alarm input	1 alarm input	
Alarm output	1 alarm output	
Event trigger	alarm input, manual trigger, motion detection, schedule recording	
Event reaction	alarm output, e-mail notification, upload video to FTP, record video to SD card, record video to PC, network alarm	
Pre-alarm buffer	48 MB RAM reserved for pre-alarm record up to 120 sec.	
Local storage	SD card interface for optional SD card version2.0, supports SDHC host specification	
Power supply	12 V DC (230 V AC via included power supply) or PoE (PoE 802.3af 48 VDC)	
Power consumption	7 W max. (12 VDC)	
Ambient temperature	0°C ~ +40°C	
Dimensions (WxHxD)	68 x 57 x 136 mm	68 x 57 x 167 mm (incl. WLAN antenna)
Weight	550 g	

Ordering information

EAN 800 A	8,5 mm (1/3") advanced colour network camera, high resolution, incl. 230 V AC power supply, 12 V DC / PoE
EAN 800 AW	8,5 mm (1/3") advanced colour wireless network camera, high resolution, incl. 230 V AC power supply, 12 V DC / PoE

EDN 850 H - 8,5 mm (1/3") vandal-proof outdoor day/night CCD network camera, automatic IR cut filter, multistream H.264 / MPEG4 / MJPEG

Features

- ✓ multistream output at 4CIF resolution @ 25 fps
- ✓ compression methods: H.264, MPEG4 or MJPEG
- ✓ adjustable compression rate with 8 levels
- ✓ day/night function with automatically swiveling IR cut filter
- ✓ camera module with high resolution technology (560 TV lines)
- ✓ high resolution stream: up to 704 x 576 pixel
- ✓ varifocal lens with DC auto iris
- ✓ BNC video output for easy camera installation
- ✓ local alarm input / output
- ✓ integrated motion detection
- ✓ alarm e-mail and network alarm function
- ✓ local alarm video storage at optional SD card
- ✓ PoE (Power over Ethernet) supported
- ✓ network bandwidth control
- ✓ vandal-proof metal IP66 outdoor housing
- ✓ optional wall bracket
- ✓ power supply included

Technical data

Sensor	8,5 mm (1/3") SONY super HAD interlaced CCD
Picture element	752 (H) x 582 (V) (PAL)
Sensitivity	0,002 lux (sens-up x128), 0,25 lux / F = 1.2
Day/night switching	automatically swiveling IR cut filter and enhanced b/w sensitivity
Lens	2,8 ~ 10 mm DC varifocal lens
Video output	1 Vp-p BNC, 560 TV lines
Compression method	H.264 / MPEG-4 / M-JPEG
Compression rate	8 quality levels
Resolution	4CIF, VGA, CIF, QVGA, QCIF
Frame rate	up to 25 fps
Network interface	10 Base-T / 100 Base-TX auto negotiation, RJ-45 socket / plug, support of MDI / MDI-X auto crossover function
Protocol types	HTTP, TCP/IP, UDP, RTP, RSP, FTP, SMTP, DHCP, DNS, DDNS, NTP
Local storage	SD card interface for optional SD card version 2.0, supports SDHC host specification
Audio	1 input / 1 output, 3,5mm stereo socket, sensitivity 1 Vrms, bidirectional audio, half-duplex
Alarm	1 input / 1 output
Event trigger	alarm input, manual trigger, motion detection and schedule recording
Event reaction	alarm output, e-mail notification, upload video to FTP, record video to SD card, record video to PC, network alarm
Pre-alarm buffer	48 MB RAM reserved for pre-alarm record up to 120 seconds
Weatherproof rating	IP 66
Power supply	12 V DC (230 V AC via included power supply) or PoE (PoE 802.3af 48 VDC)
Power consumption	5 W max. (12 V DC)
Ambient temperature	-10°C ~ +50°C
Dimensions (diameter x H)	123 x 108 mm
Weight	740 g

ED WMA - wall mount bracket

Material: aluminium
Dimensions (WxHxD): 150 x 110 x 170 mm
Weight: 600 g
Max. load: 4 kg
Application: with ED 610 T, EDN 850 H and EDN 800 T

Ordering information

EDN 850 H	8,5 mm (1/3") vandal-proof outdoor day/night CCD network camera, automatic IR cut filter, multistream H.264, MPEG4, MJPEG, incl. 230 V AC power supply, 12 V DC / PoE
ED WMA	Wall mount bracket

EDN 800 T - 8,5 mm (1/3") vandal-proof colour CCD network camera, multistream H.264 / MPEG4 / MJPEG

Features

- ✓ 4 independently adjustable network video streams (for compression method and resolution)
- ✓ compression methods: H.264, MPEG4 or MJPEG
- ✓ adjustable compression rate with 8 levels
- ✓ camera module with high resolution technology (520 TV lines)
- ✓ high resolution stream: up to 704 x 576 pixel
- ✓ varifocal lens with DC auto iris
- ✓ BNC video output for easy camera installation
- ✓ local alarm input / output
- ✓ motion detection with 5 zones
- ✓ alarm e-mail and network alarm function
- ✓ local alarm video storage at optional SD card
- ✓ PoE (Power over Ethernet) supported
- ✓ network bandwidth control
- ✓ vandal-proof metal indoor housing
- ✓ optional wall bracket
- ✓ power supply included

Technical data

Sensor	8,5 mm (1/3") Sony IT colour CCD
Picture element	752 (H) x 582 (V) (PAL)
Sensitivity	0,2 lux / F = 1.2
S/N ratio	> 50 dB (AGC off)
Lens	3,7 ~ 12 mm DC varifocal lens
Video output	1 Vp-p BNC, 520 TV lines
Compression method	H.264 / MPEG-4 / M-JPEG
Compression rate	8 quality levels
Resolution	704 x 576, 640 x 480, 352 x 288, 176 x 144
Frame rate	1 ~ 25 IPS
Network interface	10 Base-T / 100 Base-TX auto negotiation, RJ-45 socket / plug, support of MDI / MDI-X auto crossover function
Protocol types	HTTP, TCP/IP, FTP, SMTP, DHCP, DNS, DDNS, NTP
Local storage	SD card interface for optional SD card 3.3 V, supports SDHC host specification
Alarm input	1 x N.O. / N.C.
Alarm output	1 alarm output
Motion detection	5 adjustable motion areas
Event trigger	alarm input, manual trigger, motion detection and schedule recording
Event reaction	alarm output, e-mail notification, upload video to FTP, record video to SD card, record video to PC, network alarm
Power supply	12 V DC (230 V AC via included power supply) or PoE (PoE 802.3af 48 VDC)
Power consumption	6 W max.
Ambient temperature	0°C ~ +40°C
Dimensions (diameter x H)	118 x 100 mm
Weight	820 g

ED WMA - wall mount bracket

Material: aluminium
Dimensions (WxHxD): 150 x 110 x 170 mm
Weight: 600 g
Max. load: 4 kg
Application: with ED 610 T, EDN 850 H and EDN 800 T

Ordering information

EDN 800 T	8,5 mm (1/3") vandal-proof colour CCD network camera, multistream H.264, MPEG4, MJPEG, incl. 230 V AC power supply, 12 V DC / PoE
ED WMA	Wall mount bracket

EPN 3600 - 6,35 mm (1/4") 36x D/N outdoor IP speed dome camera with auto tracking function

EPN 3600 I - 6,35 mm (1/4") 36x D/N indoor IP speed dome camera with auto tracking function

Features

- ✓ 36x optical zoom (+12x digital zoom)
- ✓ H.264/MPEG4/MJPEG digital signal output with up to 25 fps
- ✓ H.264/MPEG4/MJPEG multistream output for simultaneous live monitoring and high resolution recording
- ✓ smart auto tracking function
- ✓ integrated Wide Dynamic Range
- ✓ IP66 outdoor model and indoor model available
- ✓ several built-in protocols
- ✓ 192 programmable preset positions
- ✓ 4 programmable patterns
- ✓ 8 freely adjustable privacy zones
- ✓ 4 alarm inputs, 2 alarm outputs with tour/position auto triggering

Technical data

	EPN 3600	EPN 3600 I
Sensor	6,35 mm (1/4") CCD SONY Exview HAD	
Scanning system	625 TV lines, 50 fields/sec.	
Picture element	752 x 582 (PAL)	
Horizontal resolution	530 TV lines	
Sensitivity	1,4 lux (F 1.6, 50 IRE - colour) / 0,1 lux (F 1.6, 50 IRE - b/w)	
Video output	1 Vp-p, BNC	
S/N ratio	50 dB (AGC off)	
Electronic shutter	1 ~ 1:10.000 sec.	
DSS digital slow shutter	on / off, 50x max.	
Shutter selection	auto / A.FLK / manual	
White balance	auto / indoor / outdoor	
Back light compensation	on / off	
AGC	yes (auto / manual)	
Motion detection	yes, 4 zones	
Privacy zone masking	yes, 8 zones	
WDR Wide Dynamic Range	on / off	
Zoom ratio	36x optical zoom (+12x digital zoom, max. 432x)	
Focus length	f = 3,4 (wide) ~ 122,4 (tele) mm	
Aperture	F 1.6 (wide) ~ F 4.5 (tele)	
Viewing angle	57,8° (wide end) to 1,7° (tele end)	
Minimum object distance	320 mm (wide end) to 1500 mm (tele end)	
Focusing method	auto, one-push AF, manual	
Picture compression	H.264 / MPEG4 / MJPEG	
Picture resolution	704 x 576, 640 x 480, 352 x 288, 176 x 144	
Streaming frame rate	1 ~ 25 fps, adjustable	
Audio input / output	external microphone input / line input / line level output	
Audio streaming	bidirectional audio, half-duplex	
Audio compression	ADPCM (pulse code modulation) U-Law	
Network interface	10 Base-T / 100 Base-TX auto negotiation, RJ-45 socket	
Supported protocols	HTTP, TCP/IP, FTP, SMTP, DHCP, DNS, DDNS, NTP	
Bandwidth control	min. 64 kByte/sec. adjustable	
Weatherproof rating	IP 66	IP 30
Power source	24 V AC	
Power consumption	30 W max.	
Fan	thermostat controlled	
Ambient temperature	-40°C ~ +40°C	0°C ~ +40°C
Humidity	~ 95%	~ 85%
Dimensions (diameter x H)	210 x 250 mm (incl. sunshield)	160 x 220 mm
Weight	5,2 kg (incl. sunshield)	3,0 kg

Functions

Communication	RS-485
Built-in protocols	Pelco-P / Pelco-D / EverFocus / Samsung (El.) / Panasonic
Communication speed	1200 / 2400 / 4800 / 9600 bps
Address editable through DIP switch	yes
Speed dome address range	1 ~ 255
Auto tracking	tracking mask, pan/tilt limits with adjustable object size
Horizontal rotation speed	0,1° / sec. ~ 360° / sec.
Horizontal rotation range	360° unlimited rotation
Tilt rotation range	180° tilt motion with electronic auto flip
Day / night switching	manual / automatic
Auto zoom speed control	auto-adjustment of PT control speed acc. to zoom position
Autopan, 2 points scanning	adjustable speeds, adjustable end stops
Autopan speed	1 ~ 255 steps
Dwell time (2 points)	1 ~ 99 sec.
Preset positions	192
Running to position speed	up to 360° / sec.
Pattern	4x, 90 seconds max. each
Auto resume	after inactivity 0,5 ~ 60 min. or after power-up
Auto resume actions	home position, tour 1, pattern 1, auto-pan, previous mode
Manual pan speed	0,01° ~ 180° / sec.
Manual tilt speed	0,01° ~ 180° / sec.
Dwell time at preset position	1 ~ 99 sec.
Tours	16
Presets per tour	16 preset positions
Position accuracy	+/- 0,1°
Alarm	4 inputs, 2 outputs, with tour/position auto triggering
Proportional pan speed	yes
Privacy zones	8, freely adjustable, 10 colours / mosaic
Built-in menu for functions	yes, multiline OSD

Ordering information

EPN 3600 / P	6,35 mm (1/4") 36x day / night outdoor IP speed dome camera, 24 V AC (incl. sunshield, w/o bracket, w/o power supply)
EPN 3600 I / P	6,35 mm (1/4") 36x day / night indoor IP speed dome camera, 24 V AC (w/o bracket, w/o power supply)
Accessories	please refer to pages 34 - 36 of the CCTV catalogue part

EVS 410 - 4-channel video encoder

Features

- ✓ dual codec H.264 and MJPEG with 25 FPS in all resolutions
- ✓ H.264/MJPEG dual stream output and independent video stream configuration from each channel for simultaneous live monitoring and high resolution recording
- ✓ smart wizard settings for varied event and schedule recording
- ✓ PTZ control support
- ✓ built-in SD card slot for local storage
- ✓ 2-way audio

Technical data

Video input	4 x 1 Vp-p BNC, automatic 75 Ohm termination
Video compression	H.264 / MJPEG
Video resolution	704 x 576 / 640 x 480 / 352 x 288 / 320 x 240 / 176 x 144
Video quality	VBR: 5 levels adjustable CBR: 256 Kbps ~ 3 Mbps
Streaming frame rate	up to 25 fps
Independent streams	8 (2 per channel)
Audio input	1 x line in 1 V max. / 10 KOhm, 3,5mm stereo socket
Audio output	1 x line out 1 V max. at 10 KOhm, 3,5mm stereo socket
Audio compression method	G.711 PCM 8 KHz
Operation mode	2-way audio
Network interface	10 Base-T / 100 Base-TX auto negotiation, RJ-45 socket, supports MDI/MDI-X auto crossover function
Supported protocols	TCP/IP, UDP, ICMP, DHCP, NTP, DNS, DDNS, SMTP, SNMP, FTP, HTTP, HTTPs, PPPoE, UPnP, Bonjour, RTP, RTSP, RTCP, IGMP, ARP, ONVIF, PSIA
Bandwidth control	min. 64 kbps adjustable
Max. client limit	max. 32 simultaneous clients
Alarm input	4 alarm inputs
Alarm output	1 alarm output
RS-485	1 x RS-485
Supported RS-485 protocols	EverFocus, Pelco-D/P, Samsung, Panasonic
Event trigger	alarm input, manual trigger, motion detection, schedule recording
Event reaction	alarm output, e-mail notification, upload video to FTP, record video to SD card, record video to PC, network alarm
Pre- and post-alarm buffer	40 MB RAM reserved for pre- and post-alarm record
Local storage	SD card interface for optional SD card version 2.0, supports SDHC host specification
Power supply	12 V DC
Power consumption	36 W max.
Ambient temperature	0°C ~ +50°C
Humidity	20% ~ 80%
Dimensions (WxHxD)	131 x 38,4 x 164,4 mm
Weight	665 g

Ordering information

EVS 410	4-channel video encoder, 12 V DC

EVS 200 A - 2-channel video encoder
EVS 200 AW - 2-channel wireless video encoder

Features

- ✓ high quality H.264, MPEG4 and MJPEG multistream output at 4CIF resolution @ 25 fps
- ✓ H.264/MPEG4/MJPEG dual stream output per channel for simultaneous live monitoring and high resolution recording
- ✓ smart wizard settings for varied event and schedule recording
- ✓ PTZ control support
- ✓ built-in SD card slot for local storage
- ✓ 2-way audio
- ✓ Power over Ethernet (PoE) IEEE 802.3af
- ✓ compact size

Technical data

	EVS 200 A	EVS 200 AW
Video input	2 x 1 Vp-p BNC, automatic 75 Ohm termination	
Video compression	H.264 / MPEG4 / MJPEG	
Video resolution	4CIF, VGA, CIF, QVGA, QCIF	
Video quality	8 levels adjustable	
Streaming frame rate	up to 25 fps	
Independent streams	4 (2 per channel)	
Audio input	2 x line in 1 V max. / 10 KOhm, 3,5mm stereo socket	
Audio output	1 x line out 1 V max. at 10 KOhm, 3,5mm stereo socket	
Audio compression method	IMA ADPCM (pulse code modulation)	
Operation mode	2-way audio	
Network interface	10 Base-T / 100 Base-TX auto negotiation, RJ-45 socket, supports MDI/MDI-X auto crossover function	
Wireless	-	built-in IEEE 802.1 1 b/g WLAN antenna gain 2 dBi
Supported protocols	HTTP, TCP/IP, UDP, RTP, RTSP, FTP, SMTP, DHCP, DNS, DDNS, NTP	
Bandwidth control	min. 64 kbps adjustable	
Max. client limit	max. 32 simultaneous clients	
Alarm input	2 alarm inputs	
Alarm output	2 alarm outputs	
RS-485	1 x, terminal connector	
Supported RS-485 protocols	EverFocus, Pelco-D/P, Samsung, Panasonic	
Event trigger	alarm input, manual trigger, motion detection, schedule recording	
Event reaction	alarm output, e-mail notification, upload video to FTP, record video to SD card, record video to PC, network alarm	
Pre-alarm buffer	48 MB RAM reserved for pre-alarm record up to 120 sec.	
Local storage	SD card interface for optional SD card version 2.0, supports SDHC host specification	
Power supply	12 V DC or PoE (PoE 802.3af 48 VDC)	
Power consumption	4,5 W max. (12 V DC)	
Ambient temperature	0°C ~ +40°C	
Dimensions (WxHxD)	77 x 102 x 153 mm	
Weight	300 g	

EVS RMK - 482 mm (19") rack mount kit

Material: steel black
Dimensions (WxHxD): 480 x 44 x 255 mm, 19" 1U
Weight: 1,8 kg
Application: max. 5 x EVS 200 A or EVS 200 AW

Ordering information

EVS 200 A	2-channel video encoder, 12 V DC / PoE
EVS 200 AW	2-channel wireless video encoder, 12 V DC / PoE
EVS RMK	482 mm (19") rack mount kit for max. 5 EVS 200 A / EVS 200 AW video encoders

ENR 400 - 4-channel network video recorder (upgrade option for up to 32 channels)

Features

- ✓ management of up to 32 channels from Megapixel cameras, IP cameras and video servers
- ✓ multi-brand IP product support
- ✓ local and remote PTZ control and digital PTZ
- ✓ bidirectional audio
- ✓ I/O control of IP video devices
- ✓ multi-language support
- ✓ dual monitor support
- ✓ integrated video analytics
- ✓ counting function
- ✓ digital watermark with verification tool
- ✓ Quick Playback function for single channel in live screen
- ✓ ONVIF support

Technical data

Physical	
IP video channels	4 (expandable up to 32 with 7x ENR U4)
Recording / playback rate	up to 25 IPS / channel
Total recording rate	up to 400 IPS in 4CIF resolution, up to 800 IPS in CIF resolution (depending on camera type / compression settings/ method) // up to 85 MBit/s total input stream
Boost record function	event recording with adjustable quality and frame rate
View modes	1/4/6/9/10/13/16/25/36 (depending on number of installed licenses)
Recording resolution	up to 1280 x 1024
Compression method	H.264 / MPEG4 / MJPEG
Audio	bidirectional transmission, 1 audio channel per video channel (depending on IP device specification)
Internal HDD	up to 4x 8,9 cm (3,5") SATA recording HDD + 1 system HDD
Video export	internal DVD-RW drive, USB 2.0 interface
Network interface	1.000 Mbit/s, RJ45, standards IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x
Further interfaces	USB 2.0 6x, PS2 keyboard / mouse
Alarm I/O	support of I/O contacts of connected IP devices (depending on IP device specification)
Monitor output	1 x VGA out, 1 x VGA/DVI out, dual monitor operation possible; supported GUI resolutions: 1024 x 768, 1200 x 900, 1280 x 1024, 1600 x 1200
Power	110 ~ 230 V AC, 300 VA max.
Ambient temperature	0°C ~ +40°C
Housing	steel, aluminium front, black
Dimensions (WxHxD)	430 x 171,5 x 439,6 mm, 19", 4U, optional mounting brackets available
Weight	11 kg
Functionality	
Multi-language support	yes
E-Map	unlimited number of maps or other graphics with free placement of camera or I/O icons
Counting function	for freely definable object sizes, counting of one or two directions
Monitor output	GUI in 4:3 format, dual monitor support, 2nd monitor can be used for additional live and/or playback view
System monitor	permanent monitoring of CPU load / temperature, memory, network load, HDD usage with log and display function
Database management	integrated tool for database reconstruction, repair and relocation; export option for configuration file
Video analytics	general motion, missing object, camera occlusion, foreign object, lose focus, signal lost
PTZ	PTZ control in OSD or with EKB 200 joystick for PTZ cameras; digital software PTZ for all cameras
Recording methods	continuous, schedule, event (motion / contact)
Schedule	individual for each camera, daily schedule with 6 possible recording modes
Recording rates	1 ~ 25 IPS adjustable for each camera (depending on camera specification)
Multi-channel playback	up to 16 channels time-synchronized
Search functions	time/date via calendar and timebar; intelligent search with modes general motion, missing object, camera occlusion, foreign object, signal lost
Video export	snapshot in JPEG format, video export in AVI or ASF format
Video backup	backup of multiple camera video data to local / network video drive or CD / DVD
Remote access	via Client PC (software / webbrowser); 3G mobile phone client (RTSP stream)

Ordering information

ENR 400 / x / HD size	4-channel network video recorder with x (1~4 optional) built-in harddisks, 110 ~ 230 V AC
ENS 400	4-channel network video recording software, w/o ENR Client PC
ENR-U4	Upgrade kit for 4 additional recording channels, upgrade from ENR 400 and ENS 400 (max. 32 channels recommended)
ENR-Client	ENR Client PC w/o management software, with built-in 160 GB harddisk, w/o additional storage HDD
BA RK 01	482mm (19") mounting brackets, set of 2 pcs, aluminium / steel, dimensions (WxLxD): 24 x 135 x 95 mm

EPC 4000 - PowerCon 4.x Center

Features EPC 4000 and PowerCon 4.x

- ✓ unlimited number of managed systems (DVRs, Megapixel / network cameras, video servers, 3rd party applications)
- ✓ live and playback view
- ✓ local storage and printout of video data or single pictures on client PC
- ✓ multi-window design with scalable video windows
- ✓ free definable multiviews with up to 16 DVR systems or network cameras, also mixed display of different DVRs (max. 256 cameras in 1 multiview with 16 x 16-channel DVR*)
- ✓ mapview: visualisation of CCTV system in areas or buildings with free scalable maps, graphics (BMP or JPG format) or active symbols
- ✓ remote DVR configuration (EDR DVR series only)
- ✓ remote configuration of EverFocus network cameras and video servers
- ✓ PTZ joystick control
- ✓ POS module for retail applications (optional)
- ✓ GPS module for object tracking (optional)
- ✓ network alarm reception and management
- ✓ multi-monitor support (depending on PC configuration)
- ✓ advanced access rights management with individual user rights for functions and system access
- ✓ system checker: integrated background port checker with alarm function for availability of DVRs, cameras and video servers in network
- ✓ support of external program starts
- ✓ basic feature support for browser-based 3rd party applications

* function requires specific PC + network preconditions - please contact your sales partner for further details!

Technical data

Hardware specifications	
Power	110 ~ 230 V AC, 300 VA max.
Operating temperature	0°C ~ +40°C
Material	steel, aluminium front
Dimensions (WxHxD)	430 x 171,5 x 439,6 mm, 19", 4U, optional mounting brackets available
Weight	11 kg
Software specifications	
Supported DVRs	EDR 1600 / 400* EDSR 100 / EDSR 400 H/M / EDSR 1600 / 900 / 600* EDR 1640 / 920 / 1610 A/D / 910 A/D / 410 D / 810 H/M / 410 H/M Paragon 264 DVR series / Paragon DVR series (from version 4.3) ECOR 264 DVR series / ECOR DVR series (from version 4.3) * latest firmware version
Supported network cameras	EAN 600 / EAN 800* / EZN 850* / EAN 850 A* / EAN 800 A* / EAN 800 AW* / EDN 850 H* / EDN 800 T* / EPN 3600* * from version 4.3, incl. recording function
Supported Megapixel cameras	EAN 1350* / EAN 900* / EQN 2200* * from version 4.3, incl. recording function
Further supported devices	video servers EVS 400 / EVS 100 / ERS-4 / EVS 200 A / EVS 200 AW network multi I/O controller EPS 100

Ordering information EPC 4000 and PowerCon 4.x

EPC 4000 / x / HD size	PowerCon 4.x Center, incl. PowerCon 4.x software, with up to 4 built-in harddisks for storage, 110 ~ 230 V AC
BA RK 01	482 mm (19") mounting brackets, set of 2 pcs., aluminium / steel, dimensions (WxLxD): 24 x 135 x 95 mm
PowerCon 4.x	PowerCon 4.x single client version with CM stick
PowerCon 4.x update	PowerCon 4.x update version for PowerCon Pro and PowerCon station (serial number of existing version required)
EPS-4 S-X (license no.)	PowerCon 4.x multi-client network license for 5 / 10 / 15 / 25 users
EPS POS-X (POS device no.)	PowerCon POS module for 1 / 4 / 8 POS devices (graphic text display EDA 911 required!)
EPS GPS-BM 10	PowerCon GPS module including 10 x vehicle license (GPS receiver EDA GPS required!)

PowerCon 4.x - network management software

System requirements

Processor	PC Pentium IV (1.6 or higher) / AMD Athlon (1.8 or higher)
Operating system	Windows XP, service pack 2, .NET Framework 2.0, service pack 1
VGA card	32 MB min., 16,7 million colours, with DirectX 9.0C support
USB	2.0 interface
Memory	512 MB RAM 250 MB free HD space for installation min. 10 GB free HD space for storage
Mediaplayer	Microsoft mediaplayer version 8.x or higher
Further	DirectX 9.0C
Supported DVRs	EDR 1600 / 400* EDSR 100 / EDSR 400 H/M / EDSR 1600 / 900 / 600* EDR 1640 / 920 / 1610 A/D / 910 A/D / 410 D / 810 H/M / 410 H/M Paragon 264 DVR series / Paragon DVR series (from version 4.3) ECOR 264 DVR series / ECOR DVR series (from version 4.3) * latest firmware version
Supported network cameras	EAN 600 / EAN 800* / EZN 850* / EAN 850 A* / EAN 800 A* / EAN 800 AW* / EDN 850 H* / EDN 800 T* / EPN 3600* * from version 4.3, incl. recording function
Supported Megapixel cameras	EAN 1350* / EAN 900* / EQN 2200* * from version 4.3, incl. recording function
Further supported devices	video servers EVS 400 / EVS 100 / ERS-4 / EVS 200 A / EVS 200 AW network multi I/O controller EPS 100

POS module:
By means of the graphical text display (EDA 911, optional) featuring all relevant till protocols, POS data are captured together with related video data and recorded in the digital video recorder. Recorded data can be evaluated on a common PC with PowerCon 4.x software. The PowerCon Analyzer offers numerous search functions, e.g. date/time, cashier, value or keyword search, and instantly provides the associated playback video.

GPS module:
Utilizing a wireless router (e.g. 3G / UMTS / GPRS) together with the mobile DVR, the vehicle's GPS data can periodically be sent through the Internet. The received GPS data are indicated on the PowerCon-supported interactive map (e.g. Microsoft MapPoint) and allow for continuous automatic vehicle location.

NVR-216 - 16-channel Mini Network Video Recorder
NVR-208 - 8-channel Mini Network Video Recorder
NVR-204 - 4-channel Mini Network Video Recorder
NVR-202 - 2-channel Mini Network Video Recorder

Features

- ✓ Dual stream for bandwidth management
- ✓ Support of iPhone, iPad, Android, BlackBerry mobile clients
- ✓ Web-based live viewer / playback
- ✓ Online GUI recording schedule
- ✓ Up to 4 (NVR-216/208) / 2 (NVR-204/202) SATA HDD
- ✓ RAID 0, 1, 5, 10 (NVR-216/208) / 0, 1 (NVR-204/202)
- ✓ Digital PTZ and multi-view
- ✓ Audio support
- ✓ Real time digital output and email alert
- ✓ Up to 64 channels remote live view
- ✓ Playback with 5 intelligent search functions Suchfunktionen
- ✓ Digital watermark
- ✓ Supported by NUUO Central Management System

Technical data

	NVR-216	NVR-208	NVR-204	NVR-202
IP video channels	1 ~ 16	1 ~ 8	1 ~ 4	1 ~ 2
Number of drives	4 x SATA II		2 x SATA II	
RAID level	RAID 0, 1, 5, 10		RAID 0, 1	
I/O interface	2 x USB 2,0, 1 x eSATA (function reserved)		2 x USB 2.0	
LAN port	2 x Gigabit RJ-45 Ethernet port		1 x Gigabit RJ-45 Ethernet port	
Compression format	MPEG4, M-JPEG, H.264, MxPEG (depending on IP camera)			
Recording performance	camera dependent total bitrate in / out: 80 Mbps		camera dependent total bitrate in / out: 40 Mbps	
Remote PC CPU	min. Intel Core 2 Duo, 2,6 GHz			
Remote PC RAM	min. 1 GB			
User interface	HTTP web browser - Internet Explorer 7 and higher / PC client application programme			
Recording type	continuous recording, schedule recording, manual recording, event recording, digital input trigger recording			
Remote live view control	live view, preset / go, PTZ, remote I/O, snapshot, multi-view, digital PTZ, advanced E-Map, bandwidth monitoring			
Audio & video recording	audio & video recording in synchronization			
Auto backup	automatic backup of the recorded video of the previous date to FTP			
Smart search	general motion, missing object, foreign object, lose focus, camera occlusion			
Remote client OS platform	Windows XP (32-bit) / Vista (32-bit) / 7 (32 and 64-bit)			
Remote live view connections	live view maximum 64 connections at the same time			
Mobile client OS platform	iPhone, iPad, Android, BlackBerry			
Power source	19 V DC, 110/230 V AC via included power supply			
Power consumption	40 W max.			
Ambient temperature	0°C ~ +40°C			
Humidity	10% ~ 85%			
Dimensions (WxHxD)	110 x 150 x 202 mm			
Weight	2,1 kg (w/o HDD)			

Ordering information

NVR-216 NH	16-channel Mini Network Video Recorder, w/o storage HDD, 19 V DC (110/230 V AC power supply included)
NVR-208 NH	8-channel Mini Network Video Recorder, w/o storage HDD, 19 V DC (110/230 V AC power supply included)
NVR-204 NH	4-channel Mini Network Video Recorder, w/o storage HDD, 19 V DC (110/230 V AC power supply included)
NVR-202 NH	2-channel Mini Network Video Recorder, w/o storage HDD, 19 V DC (110/230 V AC power supply included)

- **EDA 911** - graphic text display
- **EL IPCT 100** - converter for network transmission via coaxial cable
- **EKB 200** - USB 3D joystick controller
- **EPS 100** - network multi I/O controller with 8 inputs / 8 outputs

Technical data EDA 911

Video input	1 Vp-p Composite PAL, 75 Ohm terminated, BNC
Video output	1 Vp-p Composite PAL at 75 Ohm, BNC, with text overlay
RS-232	2 x RS-232, 9-pin Sub-D male and female
Baud rate	1200 ... 115.200 baud
Network interface	10 Mbit Ethernet RJ45
Keyboard	PS/2 socket for clock and text setting
Relay output	1 x NO/NC
Casing	steel, RAL 7037 powder-coated
Power source	9 ~ 12 V DC, 800 mA max.
Dimensions (WxHxD)	140 x 45 x 83 mm
Weight	900 g

Technical data EL IPCT 100

Network connector	RJ-45 socket
Coaxial connector	BNC socket
Max. network bandwidth	10 Mbps, exceeds IEEE 80.2 10 Base-T specification
Transmission distance	max. 200 m with RG-59 coaxial cable
Recommended cable	RG-59 video cable
Power	passive device, no power source
Dimensions (WxHxD)	25 x 22 x 69 mm
Weight	80 g

Technical data EKB 200

Keys	16, programmable through software
PTZ function keys	4 keys, Iris+, Iris-, Focus+, Focus-
Joystick	3D PTZ function control
Interface	USB 1.1
Default protocol	USB HID class
Mounting method	desktop, wall, panel
Support software	Key Mapper (for Microsoft® Windows XP, 2000, Vista)
Power source	USB bus power / 80 mA max. no external power supply required
Ambient temperature	0°C ~ +40°C
Dimensions (WxHxD)	197 x 108 x 197 mm
USB cable length	1,8 m
USB cable colour	black
Weight	750 g

Technical data EPS 100

Output type	8 x Darlington transistors with common ground
Max. output load	up to DC 50 V / up to 500 mA / 1 pin max., total power = 1 W / 1 pin or 2,25 W all pins
Input type	8 x binary optocoupled; Low: 0 ... 3V; High: 5 V / 5 mA to 20 V / 25 mA
Sampling period	100 ms
Network interface	RJ45 10 Base-T (10 Mbit or 10/100 Mbit network compatible), IEEE 802.3
Supported protocols	IP: ARP, TCP
Serial interface	RS-232 or RS-485; 50 ... 115.2 kBd - entire range, step = 50 Bd
Diagnostic LEDs	power, link, activity
Power source	8 ~ 24 V DC, 200 mA typical
Ambient temperature	0°C ~ +50°C
Dimensions (WxHxD)	95 x 38 x 128 mm
Weight	395 g

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